Executive Summary

Organizations engage in threat modeling early in the software product lifecycle to reduce the number of security flaws introduced into their software systems. Manual threat modeling is common, but security teams struggle to scale it efficiently. IriusRisk helps organizations design secure systems by automating threat modeling and helping security and development collaborate at the earliest stages of the lifecycle. By automatically identifying threats and recommending countermeasures, IriusRisk helps teams secure products by design at scale.

IriusRisk commissioned Forrester Consulting to conduct a Total Economic Impact™ (TEI) study and examine the potential return on investment (ROI) enterprises may realize by deploying IriusRisk. The purpose of this study is to provide readers with a framework to evaluate the potential financial impact of the IriusRisk Automated Threat Modeling Platform on their organizations.

To better understand the benefits, costs, and risks associated with this investment, Forrester interviewed four representatives with experience using the IriusRisk Automated Threat Modeling Platform. For the purposes of this study, Forrester aggregated the interviewees' experiences and combined the results into a single composite organization.

Time to create a threat model:

From 80 hours to 8

Prior to using IriusRisk, these interviewees noted how their organizations carried out manual threat modeling on an ad hoc basis. Scalability is one of the common challenges with manual threat modeling, as security expertise remains scarce within organizations. As a result, only the most critical products are threat modeled prior to projects beginning. It leaves the majority of the product portfolio at risk of security flaws built into the design that are more difficult to remediate. Even threat modeled products could be vulnerable to security attacks.

KEY STATISTICS

Return on investment (ROI)
203%

Net present value (NPV)
$7.20M

After the investment in the IriusRisk Automated Threat Modeling Platform, the interviewees experienced efficiencies from automating threat modeling, cost savings from remediation avoidance, and efficiencies meeting and reporting on risk and compliance posture.

IriusRisk

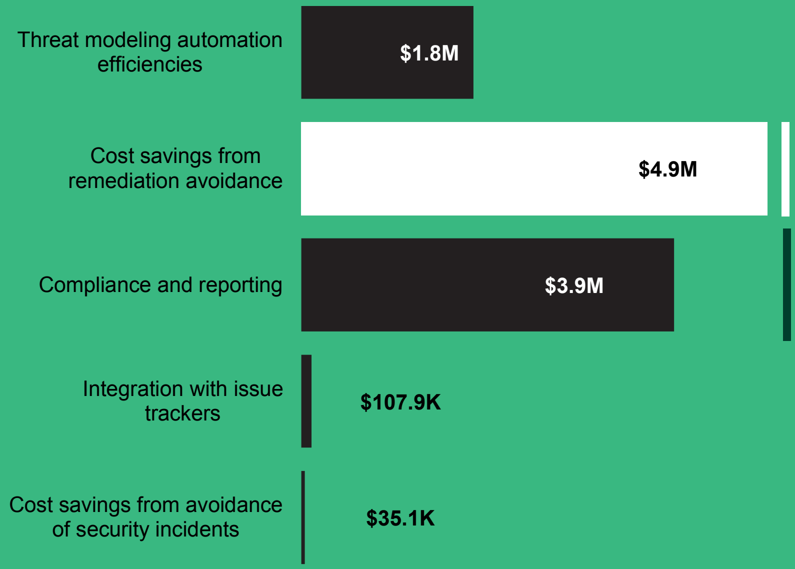
ROI
203%

BENEFITS PV
$10.75M

NPV
$7.20M

PAYBACK
<6 months

Benefits (Three-Year)



The biggest category represents the cost savings from remediation avoidance.

Firms also see increased productivity as security teams save hundreds of hours by leveraging IriusRisk’s knowledge base.

> **“We have seen an increase in developers creating better architecture diagrams and documentation because of using IriusRisk. Previously, we had developers who worked on their very specific piece of code for this product. When they saw the whole picture, they had kind of an aha moment.”**
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> — Principal software architect, software sales